

PROJECT OVERSIGHT REPORT

Automated Fingerprint Identification System
Department of Information Services on behalf of
Washington State Patrol

Report as of Date:
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Project Director: Ken Boling
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Executive Sponsor: Becci Riley

Description: The new Automated Fingerprint Identification System (AFIS21) replaces and improves the current Washington State Patrol's (WSP) Automated Fingerprint System (AFIS). AFIS21 is an online computer system designed to match and verify incoming arrests and crime scene fingerprints against historical prints stored in database files.

The system architecture will be an integrated, high performance, transaction-processing system based on the latest version of NEC Technologies' (NEC) AFIS21 platform and will include:

- Year 2000 compliance
- Increased AFIS data storage capacity
- Fingerprint processing in a real-time environment
- Automation of manual functions
- Electronic record archiving system

Technology: The AFIS21 system consists of an NEC proprietary application and a commercial off-the-shelf infrastructure. The infrastructure elements include: NT operating system, Oracle databases, and advanced Redundant Array of Independent Disks (RAID) storage systems.

Budget: The total budget for Phases I through V is \$7,603,460 over five years. Direct expenditures as of March 2002 total \$4,331,779. A payment to NEC for \$50,000 is being withheld until successful completion of Phase IV.

Schedule: There are five phases of the AFIS project. Each phase will provide measurable benefits. The phases and ending dates are:

		<u>Schedule</u>	<u>Status</u>
• Phase I	Card scan-based ten print submission	10/1/99	Complete
• Phase II	Addition of remote site workstations	12/6/99	Complete
• Phase III	Installation of stand-alone LiveScan	7/29/00	Complete
• Phase IV	Electronic submission of LiveScan records	6/30/01	In Progress
• Phase V	Criminal history interface	6/30/01	In Progress

Status: Phase I: This phase is complete and the system is in production. DIS withheld 25 percent of the invoice for Phase I after conditionally accepting the system in October 1999 pending resolution of problems with response times and functionality. After further acceptance testing, Phase I was completed in January 2001.

Phase II: This phase was completed on schedule.

Phase III: This phase was completed on schedule.

Phase IV: The LiveScan to AFIS interface was completed in September 2001 in four counties: Kittitas, Grant, Clallam, and Whitman. Fingerprints and related criminal history information are being submitted electronically; however, some issues were identified with the system's messaging capability. NEC provided a fix for the problem. The fix has been tested and is ready to be reinstalled at the four sites by April 8, 2002. This phase remains open.

Phase V: The AFIS interface to criminal history went into production on September 10, 2001. The criminal history interface is complete; however, there are several issues to be resolved with AFIS, such as certain transactions stopping during processing and slow processing time. Several fixes have been installed and are currently being monitored. This phase remains open.

Recommendation: DIS recommends that WSP continue efforts with the specific vendors to complete the final testing and acceptance.